

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.																	
		W. A. D. 9. 8. 0. 7. 3. 8. 5. 4. 6. 9. 6. 0. 0. 1		696001																					
3. Generator's Name and Mailing Address <b>ALASKAN COPPER WORKS</b> 3200 Sixth Avenue South      Seattle WA 98134		4. Generator's Phone ( 206 )      623-5801		5. Transporter 1 Company Name <b>M.C. Nottingham Co. et al.</b>		6. US EPA ID Number <b>CA0059240713</b>		7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address <b>World Resources Company</b> 8113 West Sherman Street Phoenix, Arizona 85043		10. US EPA ID Number <b>A. Z. D. 9. 8. 0. 7. 3. 5. 5. 0. 0</b>		11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. <b>RQ, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III</b>		12. Containers No. Type <b>001 C.F.</b>		13. Total Quantity <b>0.1821</b>		14. Unit Wt/Vol <b>P</b>		15. Waste No. <b>F006</b>	
16. Special Handling Instructions and Additional Information <b>24 HOUR EMERGENCY RESPONSE: 1-(800) 424-9300 CHEMTREC</b> <b>(USE CHEMTREC COMPANY CODE "WORR") WEAR GOGGLES AND GLOVES</b> <b>m 57229</b>		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: <b>Simon Castro</b> Signature: <i>Simon Castro</i> Month Day Year: <b>10/31/96</b>		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name: _____ Signature: _____ Month Day Year: _____		19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name: <b>MITCHELL BROWN</b> Signature: <i>Mitchell Brown</i> Month Day Year: <b>10/31/96</b>		21. Facility's Phone <b>(602) 233-9166</b>															



## MATERIAL IDENTIFICATION

DOT SHIPPING NAME: Hazardous Waste Solid N.O.S. (F006)  
DOT HAZARD CLASS: Class 9  
UN OR NA NUMBER: NA 3077

1990  
EMERGENCY  
RESPONSE  
GUIDE

# DOT EMERGENCY RESPONSE GUIDE 31

## POTENTIAL HAZARDS

### **FIRE OR EXPLOSION**

Some of these material may burn, but none of them ignites readily.

### **HEALTH HAZARDS**

Contact may cause burns to skin and eyes.

Fire may produce irritating or poisonous gases.

Runoff from fire control or dilution water may cause pollution.

## EMERGENCY ACTION

Keep unnecessary people away.

Isolate hazard area and deny entry.

Self-contained breathing apparatus (SCBA) and structural firefighters, s protective clothing will provide limited protection.

**CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.** (Use Chemtrec Company Code "WORR") If water pollution occurs, notify the appropriate authorities.

### **FIRE**

**Small Fires:** Dry chemical, CO2, Halon, water spray or standard foam.

**Large fires:** Water spray, fog or standard foam is recommended.

Move container from fire area if you can do it without risk.

**Do not scatter spilled material** with high-pressure water streams.

Dike fire control water for later disposal.

### **SPILL OR LEAK**

Stop leak if you can do it without risk.

**Small Dry Spills:** With clean shovel place material into clean, dry container and cover, move containers from spill area.

**Small spill:** Take up with sand or other noncombustible absorbent material and place into containers for disposal.

**Large Spills:** Dike far ahead of liquid spill for later disposal.

Cover powder spill with plastic sheet or tarp to minimizing spreading.

### **FIRST AID**

In case of contact with material, immediately flush eyes with running water for at least 15 minutes.

Wash skin with soap and water.

Remove and isolate contaminated clothing and shoes at the site.

NOTE: If this response guide is used as an attachment for shipping documents, enter shipping manifest number in block below.

WAD980738546 96001

(Shipping Manifest Number)

## NOTICE

**TO:** World Resource Company  
8112 West Sherman Street  
Phoenix, Arizona 85043

**From:** Alaskan Copper Works  
628 South Hanford Street  
Seattle, Washington 98134

**SUBJECT:** Land Disposal Restriction Notice

**Manifest Number:** 96001

**Date of Shipment:** 3-28-96

This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in 268.32 or RCRA 3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR 268.7 and is shown below:

EPA Material Number	Regulated Constituent	Subcategory	Treatability Group	Treatment Standards	
				CFR Reference	Prohibition Level
F006	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43	---

By: Gerald A. Thompson  
Alaskan Copper Environmental Assistant

# Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

**World Resources Company**  
8113 West Sherman Street  
Phoenix, Arizona 85043  
Tele: 1-602-233-9166 Fax: 602-936-9164

Issued: 8/7/90  
Revised: 9/15/93 - DLS

Call CHEMTREC only in the event of  
emergencies during shipping that  
involve a spill, leak, fire, or accident  
(all calls are recorded)

For Emergencies During Shipping in  
the US or Canada, Day or Night,  
Call: CHEMTREC 800-424-9300  
(Use Chemtrec Company Code "WRR")  
For calls from other countries call:  
202-483-7616 Collect

## PRODUCT - MATERIAL IDENTIFICATION

**Section 1**  
Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge  
Environmental Protection Agency (EPA) Waste Classification: F006  
Chemical Family: Metallic (Hydroxide) Precipitates  
Synonym: Non-ferrous Metal Hydroxide Filter Cake  
DOT Shipping Name: RQ, Hazardous waste, solid, n.o.s., (F006)  
DOT Hazard Class: 9 Packaging Group III  
DOT Identification Number: NA 3077  
DOT Emergency Response Guide 31 Applies

## HAZARDOUS INGREDIENTS

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology: (rat, oral)
Copper Hydroxide	20427-59-2	0-30	1.0 mg/m <sup>3</sup> (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0-15	1.0 mg/m <sup>3</sup> (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m <sup>3</sup> (Dust)	LD-50 7,340 mg/kg
Diatomaceous Earth	68855-54-9	0-10	6.0 mg/m <sup>3</sup> (Dust)	LD-50 3,160 mg/kg

## PHYSICAL AND REACTIVITY DATA

**Section 3**  
Description: Solid, Clay-like Clumps,  
Gray/Green to Brown,  
Water Content 30-80%  
Specific Gravity: 1 to 1.4  
Solubility: Insoluble in water  
Density: 64 to 90 lbs/cu/ft  
Incompatible Reactivity: None Known  
Vapor Pressure: Insignificant  
Stability: Avoid contact with acids  
Polymerization: Will not occur  
Boiling Point: Above 2600°C  
Melting Point: Above 1800°C  
pH: 7.0 to 10.0  
Odor: Nil

## FIRE AND EXPLOSION DATA

**Section 4**  
Flashpoint: Nonflammable  
Special Firefighting Procedures: None  
Product Decomposition: . . . . . (Due to Fire or Explosion): None  
Oxidation: Non-oxidizing  
Explosive: Non-explosive  
NFPA Fire Diamond



## TOXICITY

**Section 5**  
Listed Carcinogen component: Nickel  
Toxicology: See Sec. 2 (Nickel Hydroxide)  
Route of Entry: Inhalation and Ingestion

## HEALTH EFFECTS AND FIRST AID

**Section 6**  
Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.  
Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.  
Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.  
Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.  
Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.  
Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

## PRECAUTIONS FOR SAFE HANDLING

**Section 7**  
Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.  
Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.  
Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

## CONTROL MEASURES

**Section 8**  
Respiratory Protection: NIOSH-MSHA approved respirators as required.  
Other Protective Equipment: Coveralls are recommended, but not required.  
Eye Protection: Safety Glasses recommended.  
Hand Protection: Gloves recommended.

## GENERATORS VERIFICATION

**Section 9**  
This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 96201 Telephone: (206) 623-5880 Date: 3-27-96  
Company Name and Address: Alaskan Copper Works 628 sixth ave. south  
Seattle WA 98134  
Signature: [Signature]

AZF-WRC 0/93

# WORLD RESOURCES COMPANY

8113 WEST SHERMAN STREET / PHOENIX, ARIZONA 85043 / (602) 233-9166

APR 11 1982

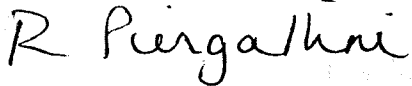
Mr. Gerald A. Thompson  
Alaskan Copper Works  
628 South Hanford Street  
Seattle, Washington 98134

Dear Mr. Thompson:

Enclosed is the appropriate copy of the Uniform Hazardous Waste Manifest and the weigh ticket resulting from the transfer of the recyclable materials by your company to World Resources Company (WRC) and the transportation of these recyclable materials to the WRC Recycling Facility in Arizona for the purpose of recovering the metal values therein.

Sincerely,

WORLD RESOURCES COMPANY



Manifest Coordinator

Enclosures

Recycled Paper

AKC-0018025

TIME 7:37 AM  
DATE 03/29/96  
INITIAL  
WORLD RESOURCES CO.  
7:37 AM 03/29/96  
0 LB

0.87  
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